eIDAS Regulation (EU) 910/2014

“Boosting trust and security in a Digital Single Market for Europe”

14–18.03.2016, CEBIT
DG CONNECT, European Commission
eIDAS Task Force
72% of EU individuals uses Internet regularly

150 Million subscriptions fixed Broadband

130 mobile subscriptions per 100 people

7% of GDP Size of the digital economy

17% of business R&D by ICT

38% EU venture capital is in ICT

17% EU patents are in ICT


6% of Gov't R&D is ICT

ICT in Other Sectors

ICT sector 4.4%

1995-2007

1/3rd EU GDP growth

+ 4.1% yearly employment growth

2.4% of workforce

ICT PROFESSIONALS

55% work outside ICT sector

900,000 estimated demand/supply gap by 2020

DIGITAL ECONOMY

29% of EU enterprises use e-Invoices

14% of EU SMEs selling online

HALF of EU enterprises provide mobile devices for business use

28% EU enterprises use Social media

276.5 million EUR turnover of EU B2C eCommerce (2012)

DIGITAL BUSINESS

14% of EU SMEs selling online

29% of EU enterprises use e-Invoices
But obstacles remain to unlock this potential ...

The Digital Market today is made up

by **national** online services (42%)
and **US-based** online services (54%)

**EU cross-border** online services represent only 4%
Better access for consumers and businesses

- Geoblocking
- Copyright
- E-commerce
- Parcel delivery
- Reducing VAT burden

Advanced digital networks and innovative services

- Telecoms market
- Media services
- Platforms and intermediaries
  - Trust and security

Enhance the digital economy

- Data economy
- Inclusive digital economy and society (digital skills & eGov)
- Interoperability and standardisation
The Regulation does not impose the use of eID
<table>
<thead>
<tr>
<th><strong>Mandatory recognition of electronic identification</strong></th>
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<td>Voluntary notification of eID schemes</td>
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<td>&quot;Cooperation and interoperability&quot; mechanism</td>
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<td>Liability rules</td>
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<td>Assurance Levels: &quot;high&quot; and &quot;substantial&quot; (and &quot;low&quot;)</td>
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<td>Interoperability framework</td>
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<td>Access to authentication capabilities: free of charge for public sector bodies &amp; according to national rules for private sector relying parties</td>
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The Regulation does not impose the use of trust services
**Horizontal principles:** Liability; Supervision; International aspects; Security requirements; data protection; Qualified services; Prior authorisation; trusted lists; EU trust mark

- **Electronic signatures,** including validation and preservation services
- **Electronic seals,** including validation and preservation services
- **Time stamping**
- **Electronic registered delivery service**
- **Website authentication**
Ensures validity and legal certainty of cross-border electronic transactions through the impossibility for Courts to reject a document on the grounds that it is in electronic form.
eIDAS transformative role: challenges

Challenges

- Reliability, simplicity and security are deciding factors for uptake
- Mobile and smart devices are central to everyday life
- Cross-sector & cross-border use of eIDAS calls for better regulatory alignment
- EU interoperability vs federating eID at global level
- Businesses demand for trust, security and convenience
- Seamless user experience and usability should be cross-sector and cross-border
<table>
<thead>
<tr>
<th>Legal Act</th>
<th>Reference</th>
<th>Adoption date</th>
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<tr>
<td>eIDAS Regulation</td>
<td>910/2014</td>
<td>23.07.2014</td>
<td>17.09.2014 (1.07.2016 - application provisions on TS)</td>
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<tr>
<td>ID on procedural arrangements for MS cooperation on eID (art. 12.7)</td>
<td>2015/296</td>
<td>24.02.2015</td>
<td>17.03.2015</td>
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<td>IR on interoperability framework (art. 12.8)</td>
<td>2015/1501</td>
<td>8.09.2015</td>
<td>29.09.2015</td>
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<td>IR assurance levels for electronic identification means (art. 8.3)</td>
<td>2015/1502</td>
<td>8.09.2015</td>
<td>29.09.2015</td>
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<td>ID on circumstances, formats and procedures of notification (art. 9.5)</td>
<td>2015/1984</td>
<td>3.11.2015</td>
<td>5.11.2015 (notified to Ms)</td>
</tr>
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<td>IR on EU Trust Mark for Qualified Trust Services (art.23.3)</td>
<td>2015/806</td>
<td>22.05.2015</td>
<td>12.06.2015</td>
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<td>ID on technical specifications and formats relating to trusted lists (art. 22.5)</td>
<td>2015/1505</td>
<td>8.09.2015</td>
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<tr>
<td>ID on formats of advanced electronic signatures and seals (art. 27.5 &amp; 37.5)</td>
<td>2015/1506</td>
<td>8.09.2015</td>
<td>29.09.2015</td>
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Timeline

**17.09.2014** Entry into force of the eIDAS Regulation

**29/09/2015** Voluntary cross-border recognition

**29/09/2018** Mandatory cross-border recognition

**01/07/2016** Date of application of eIDAS rules for trust services

**eID**

**Trust services**

**eSignature Directive rules**

Interoperability infrastructure under CEF

- STORK I & II
- PEPPOL
- epSOS
- e-CODEX
- SPOCS
- e-SENS

Digital Service Infrastructures
Provide basic functionality:
- eID
- eSignature
- eDelivery...

CEF/DSIs

H2020


27.11.15 – eID DSI v.1 eIDAS compliant
**In EU we have:**

- World-class hardware, software and services providers, and administrations at the forefront of eGovernment
- 25 MS have eID means (3 planned) – 14 MS have eID cards
- Large Scale Pilot Projects to ensure interoperability

**EU the first and only region in the world to have:**

- Policy
- Technology
- Regulation
- Rules
- Interoperability
Purpose

- Help facilitate the use of cross-border electronic identification and trust services.
- Foster transparency and accountability by identifying market hurdles and good practices, promoting knowledge-sharing and developing initiatives for innovation.
- Contribute to the enhancement of trust and security of digital transactions thus contributing to the building of the Digital Single Market.
- Act as a virtual network of stakeholders to exchange ideas and good practices as well as recommend actions and initiatives to ease the uptake of electronic identification and trust services.

Timeline

- Setting up: first half of 2016
- Launch: to be officially announced at the event marking the entry into application of the rules on trust services (end June 2016)
**Stakeholder engagement – upcoming events**

**31.03.2016**

**Stakeholder event on "eID: emerging business cases – boosting uptake"**

*Objective:* discuss the opportunities and challenges for business to benefit from the transformative nature and wide use potential of eID. Overview of the concrete steps taken and the on-going work to improve regulatory alignment between the eIDAS Regulation and sector specific legislation (e.g. PSD2, AML4).

**30.06.2016**

**High-level event with the possible participation of VP Ansip "A big leap in the eIDAS journey: new trust services for a Digital Single Market"**

- marking the entry into application of the eIDAS provisions on trust services.

*Objective:* Share experiences, real-cases, success stories, live demos and learn how to best leverage the new rules and make the use of electronic trust services an everyday reality and the easiest and most convenient way to carry out electronic transactions.
E-Transactions workflow – Cross-border call for tenders

**Website authentication**: check if the website you enter is really linked to the is really linked to the specific public procurement process.

**eID**: identify (or authenticate) yourself using, for instance, an eID means

**Creation of the tendering document**

**E-registered delivery**: Formal communications with and from the contracting authority may need to be securely delivered.

**Time stamp**: Proof of submission of the tender in due time

**Preservation**: Electronic storage of the submitted documents and acknowledgment of receipt

**E-signature**: the legal representative of the Swedish SME may need to confirm the content of the required documents

**E-seals**: ensures the authenticity of the documents as well as that they are from the Swedish SME
For further information and feedback

Links

Web page on eIDAS

Online eIDAS Participatory Platform
www.europa.eu/1qc98fx

Text of eIDAS Regulation in all languages
www.europa.eu/lux73kg

Connecting Europe Facility – Catalogue of Building Blocks
www.europa.eu/IDN99rq

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